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June 4, 2004  
Elaine K. Mistretta  
Elaine K. Mistretta

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Appln. No. 10/789,899  
(Attorney's Docket No. GP-303644)

Filed: February 27, 2004  
Confirmation No. N/A

Frederick E. Pinkerton et al.

Art Unit: N/A

MIXED HYDROGEN GENERATION  
MATERIAL

Examiner: N/A

INFORMATION DISCLOSURE STATEMENT

Applicant(s) requests the Examiner to consider and make of record the reference(s) and/or information on attached PTO 1449.

**CHECK ONE: (A, B, or C.)**

☒ A. This statement is submitted under 37 CFR 1.97(b) within 1) three months after the filing date (even if after the first action); or 2) before the mailing date of a first Office Action. No fee, petition or certification is required.

☐ B. This statement is submitted under 37 CFR 1.97(c) after the period specified in paragraph A, but before Final Office Action or Notice of Allowance.

**CHECK ONE: (1, 2, or 3)**

☐ 1. I certify that each item of information contained in the attached material was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or

☐ 2. I certify that no item of information contained in the attached material was cited in a communication from a foreign patent office in a counterpart foreign application, and to my knowledge, after making reasonable inquiry, no item of information contained in the attached material was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Statement; or

☐ 3. Charge a petition fee of \$180.00 to General Motors Deposit Account No. 07-0960.

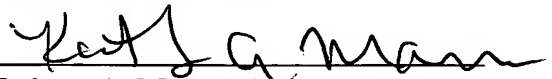
☐ C. This statement is submitted under 37 CFR 1.97(d) after a Final Office Action or Notice of Allowance, but before payment of the issue fee. Charge a petition fee of \$180.00 to General Motors Deposit Account No. 07-0960.

**CHECK ONE: (1 or 2)**

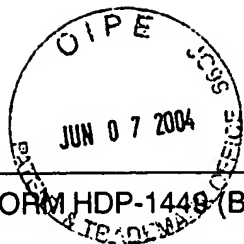
☐ 1. I certify that each item of information contained in the attached material was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or

☐ 2. I certify that no item of information contained in the attached material was cited in a communication from a foreign patent office in a counterpart foreign application, and to my knowledge, after making reasonable inquiry, no item of information contained in the attached material was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,

  
Kathryn A. Marra - Attorney  
Reg. No. 39106  
Telephone 313-665-4708

Enc: PTO 1449 (& attachments)



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 1 of 2

ATTORNEY DOCKET NO.

8540R-000058

SERIAL No.

10/789,899

APPLICANT

Pinkerton et al.

FILING DATE

2/27/2004

GROUP

Unassigned

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.						

**FOREIGN PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.							

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

Ref. Desig.	Examiner's Initials	
1.		JCPDS X-Ray Database; pattern no. 80-2274 - $\text{Li}_3\text{BN}_2$
2.		JCPDS X-Ray Database; pattern no. 40-1166 - $\text{Li}_3\text{BN}_2$
3.		JCPDS X-Ray Database; pattern no. 16-273 - $\text{Li}_3\text{BN}_2$
4.		JCPDS X-Ray Database; pattern no. 00-007-0245 - $\text{Li}_3\text{AlN}_2$
5.		JCPDS X-Ray Database; pattern no. 00-036-1016 - $\beta\text{-Mg}_3\text{B}_2\text{N}_4$
6.		JCPDS X-Ray Database; pattern no. 00-044-1497 - $\text{Mg}_3\text{BN}_3$
7.		JCPDS X-Ray Database; pattern no. 00-042-0868 - $\text{Mg}_3\text{BN}_3$
8.		Pinkerton, et al., Bottling the Hydrogen Genie, The Industrial Physicist, pp. 20-23 (February/March 2004).
9.		Goubeau, et al., Über ternäre Metall-Bornitride, Zeitschrift für anorganische und allgemeine Chemie vol. 310, pp. 248-260 (1961)
10.		Juza, et al., Die ternären Nitride $\text{Li}_3\text{AlN}_2$ und $\text{Li}_3\text{GaN}_2$ ; Zeitschrift für Anorganische Chemie vol. 257, pp. 13-25 (1948).
11.		Yamane, et al., Structure of a New Polymorph of Lithium Boron Nitride, $\text{Li}_3\text{BN}_2$ , J. Solid State Chemistry, vol. 65 pp. 6-12 (1986).

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM HDP-1449 (Based on Form PTO-1449)</b>  <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 2 of 2	ATTORNEY DOCKET NO.	SERIAL NO.
	8540R-000058	10/789,899
	APPLICANT	
	Pinkerton et al.	
	FILING DATE	GROUP
	2/27/2004	Unassigned

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
12.		Yamane, et al., High- and Low- Temperature Phases of Lithium Boron Nitride, $\text{Li}_3\text{BN}_2$ : Preparation, Phase Relation, Crystal Structure, and Ionic Conductivity, Journal of Solid State Chemistry, vol. 71, pp. 1-11 (1987)
13.		Cenzual, et al., Inorganic Structure Types with Revised Space Group., Acta Cryst. vol. B47, pp. 433-439 (1991).
14.		Villars, et al., ASM International Handbook of Ternary Alloy Phase Diagrams, Al Li N; $\text{AlLi}_3\text{N}_2$ (1) Crystallographic Data (1997).
15.		Villars, et al., ASM International Handbook of Ternary Alloy Phase Diagrams, B Li N; $\text{BLi}_3\text{N}_2$ (LT) (2) Crystallographic Data (1997).
16.		Villars, et al., ASM International Handbook of Ternary Alloy Phase Diagrams, B Li N; $\text{BLi}_3\text{N}_2$ (HT) (1) Crystallographic Data (1997).
17.		Villars, P, Pearson's Handbook Desk Edition; Crystallographic Data for Intermetallic Phases, Ac - $\text{Cr}_2\text{Se}_4\text{Zr}$ , Vol. 1, p.416; p.771; and p. 776 (1997).

Examiner:	Date Considered:
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